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TI - Forming fluoro-resin film on plastic without freon solvent - by adding oligomer or polymer to poly-fluorinated gp. contg. monomer coating obt'd. soln. on plastics and irradiating with electron beams

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Method is carried out by adding 0.1-30 wt.% of oligomer of polymer (which may be dissolved or dispersed into the monomer) to a polyfluorinated gp. contg. electron-beam polymerisable monomer, coating the obt'd. monomer soln. on the surface of a plastics and irradiating 0.5-20 M rad of electron beams to the coated surface to polymerise and cure the monomer.

The monomer is pref. 3-20C acrylate with a perfluoro alkyl gp. as the polyfluorinated gp. The oligomer or polymer is perfluoroalkyl gp. contg. oligomer or polymer, e.g. PTFE, hexafluoropropylene epoxide polymer, copolymer of tetrafluoroethylene with other monomer or copolymer of tetrafluoroethylene with hexafluoropropylene.

USE/ADVANTAGE - Polyfluorinated gp. contg. thin polymer film is formed on the surface of a plastics in a short time with good adhesion without using Freon solvent. (5pp Dwg.No.0/0)